Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/04/2022 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125031	0	1.40	124886	1.40
Blue	F	SSC	125000	124284	-1	3.05	124778	2.95
Blue	E	FITC	15860	15554	-2	2.23	379	13.63
Blue	D	PE	27718	27658	-1	1.69	642	10.06
Blue	B	PerCP-Cy5-5	38046	37100	-3	2.90	1013	14.56
Blue	A	PE-Cy7	26092	25811	-2	4.79	508	30.08
Red	C	APC	49104	48829	-1	2.68	1721	11.47
Red	A	APC-Cy7	28201	27408	-3	3.05	725	12.48
Violet	B	V450	9904	9445	-5	3.57	525	11.64
Violet	A	V500	39004	37848	-3	3.20	986	9.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23929	1.89	562	-7	N/A	N/A	Pass
Blue	F	SSC	55675	1.59	519	-9	N/A	N/A	Pass
Blue	E	FITC	59	54.24	489	-2	0.0475	113	Pass
Blue	D	PE	124	37.93	495	-1	0.4726	352	Pass
Blue	B	PerCP-Cy5-5	139	44.79	586	-3	0.0210	102	Pass
Blue	A	PE-Cy7	65	92.25	629	-3	0.0224	4	Pass
Red	C	APC	332	27.25	580	-1	0.0279	207	Pass
Red	A	APC-Cy7	96	43.16	552	-3	0.0060	1106	Pass
Violet	B	V450	85	50.58	464	6	0.0600	2488	Pass
Violet	A	V500	123	36.16	476	7	0.0245	1801	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.72	-31.46	1.01
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.46	13.90 - 20.86	N/A	N/A	29.79	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 14524

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments